SANTA BARBARA COUNTY CALLE REAL SOLAR ARRAY UPDATE





Background



- Financing secured for the construction of a one Megawatt power solar array authorized by Board of Supervisors in September 2011.
- Contract to design, construct and maintain project awarded to Endelos Energy, a local vendor in Buellton, CA.
- Construction began in December of 2011 on the hillside on Calle Real Campus.
- Project produced one Megawatt of power on April 16, 2012.



Financing and Rebate

- Financed by \$5.5 million Qualified Energy
 Conservation Bonds, 15-year term and an effective rate of 1.2%
- \$1.7 million rebate from Southern California Edison Electric (SCE) was also secured at the onset of the project.

Local Vendors Used for the Solar Array



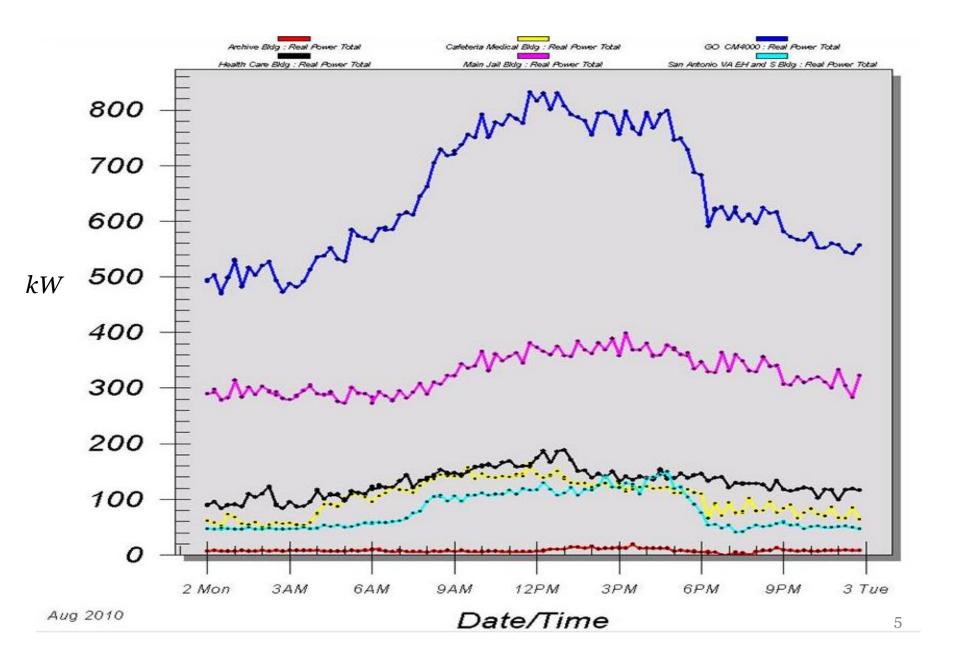
Santa Barbara County Local Vendors

California Electrical	Home Depot (Goleta)	Smith Engineering
Supply		Associates
Coast Valley Testing	Jon Keller Survey	Specialty Crane
Dudek	MarBorg	S&S Seeds
Endelos Energy	Orchard Supply	United Rental
Eucario Guzaman	Penfield & Smith	Valley Oaks Printers
Landscaping		
Enviroscaping	Ray's Welding	White Cap Supply
Garcia's Mobile Grill	Rivera & Sons	
	Excavation	
Growing Solutions	Smith Electric	

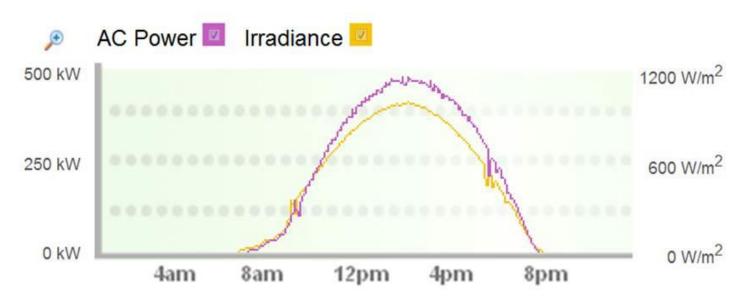
Ventura County Vendors

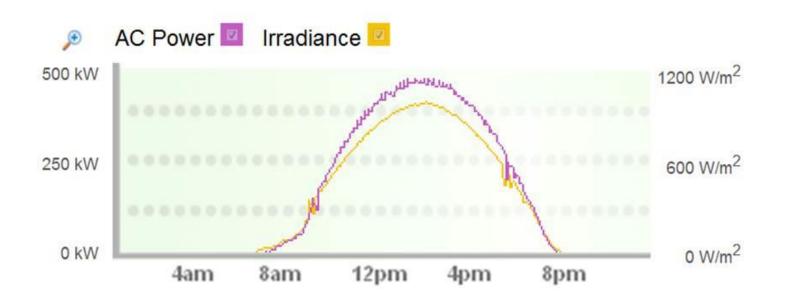
Medina Camera Systems SolarWorld

Power Used by the Calle Real Campus Before Solar

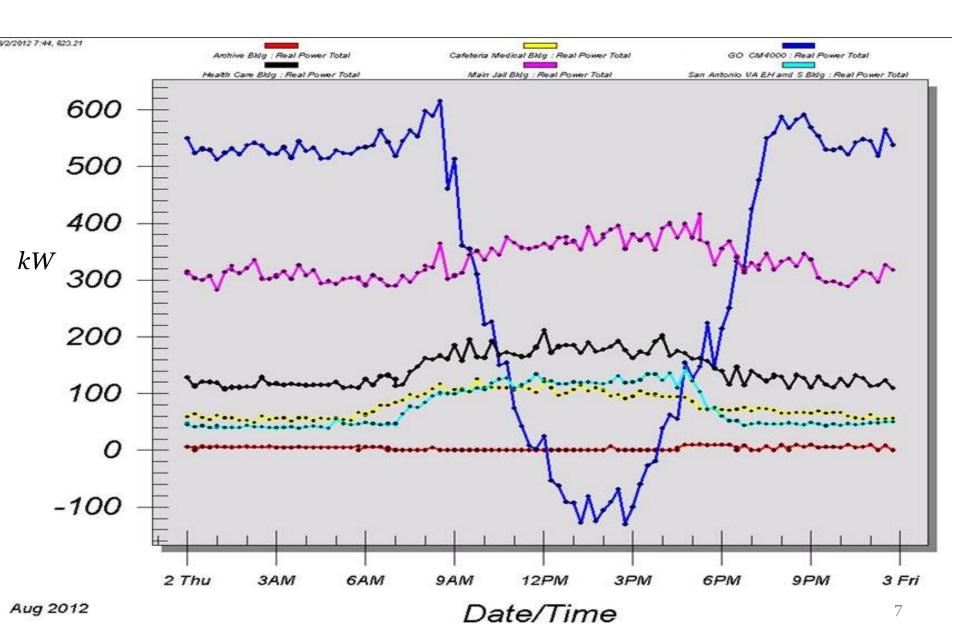


Solar Output from the Invertors





Power Used by the Calle Real Campus After Solar



Production and Savings



- Better than expected performance
 - Expected to produce 8.9 million kWh for the first 5 years.
 - 10% higher than expected, producing 9.7 million kWh.
- \$1.2 million in utility savings in the first 5 years.
- Received rebate of \$1.7 million earlier than expected because of the excessive power the system produced.

Positive Environmental Impact



- Solar array offsets up to one-third of the required energy at the Calle Real Campus.
- Avoids emitting almost 1.6 million pounds of CO2 per year.
- Equivalent to taking over 150 cars off the road, or planting over 20,000 trees each year.
- Generates enough electricity to power over 100 homes.

Status of Facility

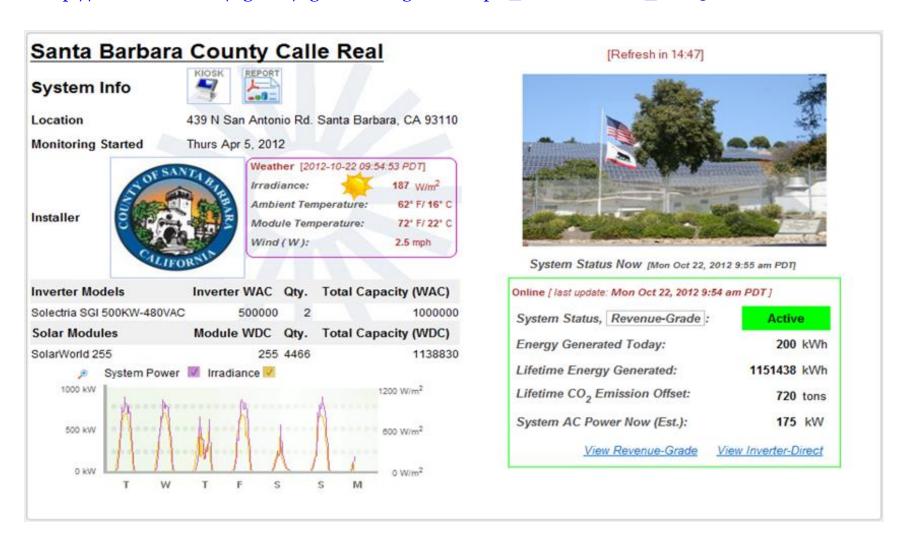


- Endelos Energy continues to maintain the array. (Cleaning panels, erosion control, vegetation clearing, checking and maintaining the electrical system.)
- The 4480 Panels were made by Solar World (Camarillo, California)
 - 25 Year Module Warranty. No failures, spares parts in stock.
 - SW255-Mono Solar Panels. All running in perfect shape.

Solar Array Website



http://solrenview.com/cgi-bin/cgihandler.cgi?&sort=pvi IDs&cond=site ID=1368&min



Summary

- CALIFORNIA CALIFORNIA
- Excellent investment by the county
- Energy savings
- Cost savings
- Environmental
- Local vendors used to construct and maintain
- Will be doing more solar in the future

Questions or Comments

